

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Henry R. Costantino, Lawrence J. Bonassar and Mark A. Tracy  
Application No.: 10/784,908 Group Art Unit: 1651  
Filed: February 23, 2004 Examiner: Not Assigned  
Confirmation No.: 6133

Title: A COMPOSITION FOR THE DELIVERY OF LIVE CELLS AND METHODS  
OF USE THEREOF

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
7/14/04	Christina McWenney
Date	Signature
Christina McWenney	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:  
☐ a Statement under 37 CFR 1.97(e), as checked below, or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:  
☐ a Statement under 37 CFR 1.97(e), as checked below, and  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☐ Copies of the cited references are enclosed.
- ☒ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☒ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. 09/612,744, to which priority under 35 U.S.C. 120 is claimed. The earlier application contains copies of the cited references.
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☐ The "concise explanation" requirement (non-English references) for reference(s) ☐ under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
- ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

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Examiner

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Date

☐ A copy of each above-cited application, including the current claims, is enclosed.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

☐ Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Susan M. Abelleira

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Concord, MA 01742-9133

Dated: July 14, 2004

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 1733.1064-004		APPLICATION NO. 10/784,908	
 <p>July 14, 2004</p> <p>(Use several sheets if necessary)</p>		FIRST NAMED INVENTOR Henry R. Costantino		FILING DATE February 23, 2004	
		EXAMINER Not Assigned		CONFIRMATION NO. 6133	

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AA	4,968,590	11/06/90	Kuberasampath, et al.
	AB	5,011,691	04/30/91	Oppermann, et al.
	AC	5,019,400	05/28/91	Gombotz, et al.
	AD	5,041,138	08/20/91	Vacanti, et al.
	AE	5,534,404	07/09/96	Laurance, et al.
	AF	5,550,050	08/27/96	Holland, et al.
	AG	5,654,010	08/05/97	Johnson, et al.
	AH	5,656,297	08/12/97	Bernstein, et al.
	AI	5,667,808	09/16/97	Johnson, et al.
	AJ	5,674,534	10/07/97	Zale, et al.
	AK	5,711,968	01/27/98	Tracy, et al.
	AA2	5,716,644	02/10/98	Zale, et al.
	AB2	5,723,508	03/03/98	Healy, et al.
	AC2	5,786,216	07/28/98	Dionne, et al.
	AD2	5,795,790	08/18/98	Schinstine, et al.
	AE2	5,833,979	11/10/98	Schinstine, et al.
	AF2	5,853,385	12/29/98	Emerich, et al.
	AG2	5,916,585	06/29/99	Cook, et al.
	AH2	5,922,253	07/13/99	Herbert, et al.
	AI2	5,932,459	08/03/99	Sittinger, et al.
	AJ2	5,944,754	08/31/99	Vacanti
	AK2	5,955,438	09/21/99	Pitaru, et al.
	AA3	5,981,825	11/09/99	Brekke
	AB3	6,017,708	01/25/00	Piwnica-Worms
	AC3	6,027,721	02/22/00	Hammang, et al.
	AD3	6,045,818	04/04/00	Cima, et al.

EXAMINER	DATE CONSIDERED
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PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>July 14, 2004</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 1733.1064-004	APPLICATION NO. 10/784,908	
	FIRST NAMED INVENTOR Henry R. Costantino		FILING DATE February 23, 2004
	EXAMINER Not Assigned	CONFIRMATION NO. 6133	GROUP 1651

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	AL	WO 96/18411	20-Jun-96	Massachusetts Institute of Technology		
	AM	WO 99/11789	11-MAR-99	North Shore University Hospital Research Corporation		
	AN					
	AO					
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EXAMINER	DATE CONSIDERED
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PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>July 14, 2004</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 1733.1064-004		APPLICATION NO. 10/784,908	
	FIRST NAMED INVENTOR Henry R. Costantino		FILING DATE February 23, 2004	
	EXAMINER Not Assigned		CONFIRMATION NO. 6133	GROUP 1651

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AR	Babensee, J. E., <i>et al.</i> , "Growth Factor Delivery for Tissue Engineering," <i>Pharmaceutical Research</i> , 17(5):497-504, May 2000.
	AS	
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